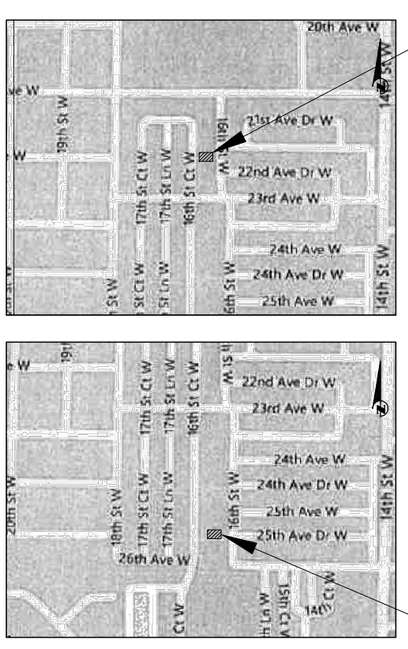
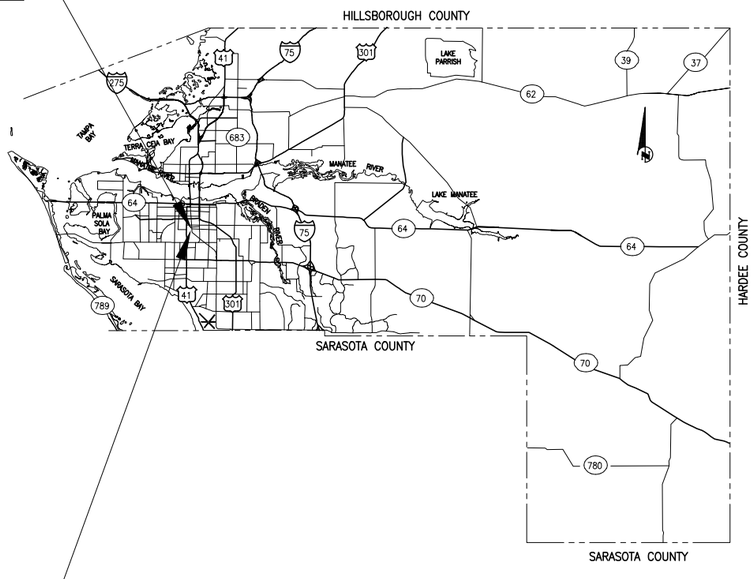
MANATEE COUNTY, FLORIDA
WARES CREEK DREDGING
PEDESTRIAN BRIDGE REPLACEMENT AT 22nd AVE. W. AND 25th AVE. W.
465-6028801



PROJECT SITE #1

PROJECT SITE #2



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PROJECT DESCRIPTION

REPLACE PEDESTRIAN BRIDGES WITH PREFABRICATED ALUMINUM BRIDGES, INCLUDING SITE PREPARATION AS REQUIRED, FOUNDATIONS, RAMPS AND/OR STAIRS, AND SIDEWALK. COORDINATION WITH DREDGING, BRIDGE SUPPLIER, RESIDENTS, CITY AND UTILITY COMPANIES REQUIRED.

SITE 1: 22ND AVE. W.
SITE 2: 25TH AVE. W.

FINAL SUBMITTAL

JANUARY 2016

A.H. EZAZI, P.E. 40109
PROJECT MANAGER

DATE

SIGNATURE

60319139
AECOM PROJECT NUMBER

PROJECT NUMBER: 6028801

GENERAL

1. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE MANATEE COUNTY PROJECT MANAGEMENT DIVISION. THE PROJECT MANAGER IS: RICARDO J. COLON, P.E. AND CAN BE REACHED AT (941) 708–7450; EXT. 3744.
2. SITE SPECIFIC SURVEY AND TOPOGRAPHY BY HYATT SURVEY SERVICES, INC., DATED MAY 7TH, 2014.
3. SITE VISITS ARE MANDATORY FOR ALL BIDDERS. THESE SITE VISITS CAN BE ARRANGED THROUGH THE PROJECT MANAGER.
4. REFER TO GEOTECHNICAL ENGINEERING SERVICES REPORT, BY PROFESSIONAL SERVICE INDUSTRIES, INC., DATED MAY 29TH 2014 FOR SITE EXCAVATION, FILL, AND BACKFILL RECOMMENDATIONS.
5. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH **THE LATEST EDITION OF MANATEE COUNTY UTILITY AND TRANSPORTATION STANDARDS** AND/OR FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" UNLESS OTHERWISE INDICATED ON THE PLANS.
6. VERTICAL CONTROL FOR THIS PROJECT WAS ESTABLISHED BY A MINIMUM OF TWO REFERENCE BENCHMARKS DESCRIBED ON THE "THE NORTH AMERICAN VERTICAL DATUM OF 1988", (NAVD '88).
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO THE OWNER.
8. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATION THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
9. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
10. PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL DETERMINE THE LOCATION AND DEPTH OF EXISTING SEAWALL TIE–BACKS WITHIN THE APPROXIMATE AREA OF BRIDGE FOUNDATION. THIS MAY REQUIRE HAND DIG OPERATIONS TO ENSURE NO CONFLICT WITH PROPOSED BRIDGE FOOTINGS ALONG THE EAST SIDE OF THE CANAL.
11. THE CONTRACTOR WILL VERIFY THE SUPPORT CAPABILITY OF THE STREETS PRIOR TO INSTALLATION OF THE BRIDGES AND REPAIR DAMAGE CAUSED BY THEIR PROCESSES AT THEIR OWN COST.
12. AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA AT 1–800–432–4770 OR THE NATIONAL 811 ONE CALL NUMBER WHEN APPLICABLE FOR UTILITY LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITIES FOR THE POSSIBLE RELOCATION OR THE TEMPORARY MOVEMENT OF ANY EXISTING UTILITIES WITHIN THE RIGHTS–OF–WAY OR EASEMENTS.
13. NO WORK, EXCEPT FOR EMERGENCY TYPE, SHALL BE PERFORMED AFTER 7:00 PM AND BEFORE 7:00 AM. FOR ADDITIONAL PROJECT RESTRAINTS, REFER TO SECTION 01310 OF THE SPECIFICATIONS.

SAFETY

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE FLORIDA TRENCH SAFETY ACT, 90–96, LAWS OF FLORIDA EFFECTIVE OCTOBER 1, 1990 AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARDS, 29 CFR 1926.650, SUBPART P, AS AMENDED. THE CONTRACTOR SHALL INCLUDE IN THE TOTAL BID PRICE ALL COSTS FOR COMPLIANCE WITH THESE REGULATIONS.
15. THE CONTRACTOR SHALL USE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED IN ALL EXCAVATION AREAS AND CONFORM TO ALL OSHA REQUIREMENTS.
16. THE CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND UTILITIES, POWER LINES, ETC.
17. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THIS EXCLUSION DOES NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE.

ENVIRONMENTAL

18. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY STORM WATER, EROSION, AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE FDEP "FLORIDA STORM WATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS AND TO DITCHES DURING CONSTRUCTION.
19. STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON–SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST FROM SUCH STOCKPILES IS REQUIRED, DEPENDING UPON THEIR LOCATION AND THE EXPECTED LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY STOCKPILED MATERIAL REMAIN AFTER THIRTY (30) CALENDAR DAYS.
20. STORM WATER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AND WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION. THIS WILL BE MAINTAINED TO PREVENT DEGRADATION OF THE WATERS OF THE COUNTY AND STATE.
21. SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS, AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING BODIES OF WATER, MUST BE INSTALLED, CONSTRUCTED, OR IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS. SUCH SYSTEMS SHALL BE FULLY OPERATIVE BEFORE ANY OTHER DISTURBANCE OF THE SITE BEGINS. EARTHEN STRUCTURES INCLUDING BUT NOT LIMITED TO BERMS, EARTH FILTERS, DAMS OR DIKES SHALL BE STABILIZED AND PROTECTED FROM DRAINAGE DAMAGE OR EROSION WITHIN ONE (1) WEEK OF INSTALLATION.
22. ALL SWALES, DITCHES, AND CHANNELS LEADING FROM THE SITE SHALL BE PROTECTED FROM SILTATION AND EROSION DURING CONSTRUCTION AND BE SODDED WITHIN THREE (3) DAYS OF EXCAVATION.
23. SOIL DISPLACED BY CONSTRUCTION WILL BE REMOVED. EROSION CONTROL SHALL BE IMPLEMENTED IN AREAS WHICH ARE CONSIDERED ENVIRONMENTALLY SENSITIVE. EROSION CONTROL SYSTEMS SHALL BE REQUIRED FOR ALL WORK WITHIN JURISDICTIONAL AREAS. THESE SYSTEMS MAY INCLUDE STAKED HAY BALES, SILT SCREENS, FILTER FABRIC, AND TURBIDITY SCREENS.
24. ALL EROSION AND POLLUTION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL AND SHALL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.
25. THE CONTRACTOR SHALL NOT ENTER UPON OR IN ANY WAY ALTER WETLAND AREAS THAT MAY BE ON OR NEAR THE CONSTRUCTION SITE. ALL WORK IN THE VICINITY OF OPEN WATER AND/OR WETLANDS IS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL REGULATIONS AND/OR PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINES RESULTING FROM HIS VIOLATION OF ANY REGULATIONS OR PERMIT CONDITIONS.
26. FOR MORE INFORMATION, SEE THE EROSION CONTROL DETAILS ON SHEET C–501 OF PLANS.

RIGHT–OF–WAY

27. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO WITHIN THE MANATEE COUNTY RIGHT–OF–WAY AND/OR EASEMENTS SHOWN ON THE DRAWINGS.
28. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO REFERENCE AND RESTORE PROPERTY CORNER MONUMENTS, PINS, AND LANDMARKS THAT MAY BE DISTURBED BY CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
29. THE CONTRACTOR, PRIOR TO CONSTRUCTION AND RESTRICTING ANY TRAFFIC, MUST OBTAIN A RIGHTS–OF–WAY USE PERMIT AND A TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM OTHER GOVERNMENTAL AGENCIES HAVING RELEVANT JURISDICTION. ALL MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES". A TRAFFIC CONTROL PLAN SHALL BE SUPPLIED BY THE CONTRACTOR AT THE PRE–CONSTRUCTION MEETING.
30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED STORM WATER STRUCTURES, PIPING, ENTRANCE PIPE AND HEADWALLS WHETHER SHOWN ON THE PLANS OR NOT. THE HEADWALLS SHALL BE REPLACED IN ACCORDANCE WITH F.D.O.T. STANDARDS.
31. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH IN THE FIELD THE RIGHT–OF–WAY LINES, BASE LINES, BENCH MARKS (ELEV.), CENTER LINES, AND STATIONING AS REQUIRED TO CONSTRUCT THIS PROJECT.
32. THE CONTRACTOR SHALL COORDINATE THE CUTTING OF DRIVEWAYS WITH THE PROPERTY OWNER PRIOR TO CUT. ALL DRIVEWAYS WILL BE IN PASSABLE CONDITION AT THE END OF THE WORK DAY AND FULLY RESTORED PER SECTION 02575.
33. A RIGHT OF ENTRY AGREEMENT SHALL BE OBTAINED BY THE PROJECT MANAGER FROM THE PROPERTY OWNER BEFORE ANY CONSTRUCTION WORK IS DONE OUTSIDE OF THE RIGHT–OF–WAY OR EASEMENT.

UTILITIES

34. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA AND WHICH HAVE NOT BEEN LOCATED OR IDENTIFIED, MAY NOT BE IN THE EXACT LOCATION SHOWN OR RELOCATED SINCE THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES STRUCTURES AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE PLANS) THAT MAY EFFECT HIS WORK. ALL EXISTING UTILITIES TO BE EXTENDED, CROSSED OR CONNECTION POINTS SHALL BE EXPOSED PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND ELEVATION. ANY DISCREPANCIES OR CONFLICTS FOUND SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.
35. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, WATER AND SEWER LINES, STORM DRAINS, UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, MAIL BOXES, FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FACILITY IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED ITEM DUE TO HIS CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER THAN PRE–CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
36. THE CONTRACTOR SHALL USE APPROPRIATE TECHNIQUES, AS APPROVED, RECOMMENDED OR OFFERED BY FLORIDA POWER AND LIGHT TO PREVENT UNDERMINING OF POWER POLES DURING CONSTRUCTION. IF HOLDING OF POWER POLES IS RECOMMENDED OR REQUIRED BY THE UTILITY, THE CONTRACTOR SHALL COORDINATE THIS ACTIVITY WITH THE UTILITY AND BEAR ALL RELATED COSTS.
37. ANY TEMPORARY SHUTDOWNS FOR MODIFICATIONS OF EXISTING UTILITY SYSTEMS THAT MUST REMAIN IN SERVICE DURING CONSTRUCTIONS SHALL BE KEPT TO A MINIMUM AND SHALL BE COORDINATED WITH AND APPROVED BY THE CITY OF BRADENTON PUBLIC WORKS DEPARTMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. IT IS NOTED THAT TEMPORARY SHUTDOWNS MAY BE RESTRICTED TO CERTAIN HOURS AT ANY TIME OF THE DAY OR NIGHT AND WILL BE COMPLETED AT NO ADDITIONAL COST TO THE OWNER.

RESTORATION

38. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS SHOWN OTHERWISE.
39. ALL DISTURBED GRASSED AREAS SHALL BE SODDED OR SEEDED UNLESS OTHERWISE INDICATED. THE TYPE OF SOD USED TO REPLACE OWNER MAINTAINED AREAS IN RIGHT–OF–WAY SHALL BE COORDINATED WITH THE PROPERTY OWNER.
40. ASPHALT DRIVES THAT ARE CUT SHALL BE RESTORED IN–KIND.
41. CONCRETE DRIVEWAYS OR SIDEWALKS THAT ARE CUT SHALL BE RESTORED TO MATCH EXISTING ACCORDING TO THE CURRENT EDITIONS OF THE F.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE DESIGN, SECTION 522, AND SECTION 310 OF THE F.D.O.T. DESIGN STANDARDS.
42. WHENEVER A PERMANENT ROADWAY SURFACE IS NOT PLACED IMMEDIATELY AFTER BACKFILLING AND COMPACTION OF THE NEWLY INSTALLED PIPE LINE IN AREAS WHERE TRAFFIC MUST PASS, THE CONTRACTOR SHALL INSTALL A TEMPORARY SURFACE CONSISTING OF NINE INCHES OF COMPACTED LIME ROCK BASE AND A COAT OF ASPHALT EMULSION. PERMANENT ROADWAY REPAIR SHALL BE PERFORMED A MAXIMUM OF TWENTY–ONE CALENDAR DAYS AFTER THE INITIAL OPEN CUTTING.
43. RESTORATION OF CURBS, DRIVEWAYS, SIDEWALKS, AND PLACEMENT OF SOD SHALL BE COMPLETED WITHIN FORTY–FIVE CALENDAR DAYS OF INITIAL DISTURBANCE, OR TWENTY–ONE CALENDAR DAYS OF SUBSTANTIAL COMPLETION, WHICHEVER OCCURS FIRST.

CONSTRUCTION

44. THE EXHAUST SYSTEM OF ALL GASOLINE AND DIESEL ENGINES SHALL BE EQUIPPED WITH MUFFLERS THAT MEET THE EQUIPMENT MANUFACTURER'S REQUIREMENTS FOR NOISE SUPPRESSION. THE CONTRACTOR SHALL INSTALL NOISE ABATEMENT BAFFLES POSITIONED TO BREAK LINE–OF–SITE FROM THE NOISE SOURCE TO AFFECTED RESIDENCES, AS APPROVED BY THE ENGINEER.
45. NO MATERIAL SHALL BE STOCKPILED IN ROADWAYS. ALL DIRT AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE DAILY. ROADS SHALL BE SWEPT DAILY AS PART OF DAILY CLEAN UP.
46. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
47. INGRESS AND EGRESS TO ALL THE PROPERTIES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES.
48. PRIOR APPROVAL WILL BE REQUIRED FOR REMOVAL OF ANY TREE WITHIN THE CONSTRUCTION AREA.
49. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY. DEWATERING IS REQUIRED TO 18" BELOW TRENCH BOTTOM.
50. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE REQUIRED DEWATERING PERMIT FROM SWFWMD, INCLUDING ANY ASSOCIATED PERMIT FEES, IF REQUIRED.
51. ALL ROCKS OR STONES LARGER THAN SIX INCH DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN ONE FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO INCH DIAMETER.
52. ONLY CITY OF BRADENTON PUBLIC WORKS DEPARTMENT STAFF ARE AUTHORIZED TO OPERATE VALVES ON CITY OWNED AND MAINTAINED UTILITY SYSTEMS.
53. CONTRACTOR SHALL PROVIDE RECORD DRAWINGS IN ACCORDANCE WITH SECTION 14 IN THE CURRENT MANATEE COUNTY UTILITY STANDARDS AT NO COST TO THE OWNER. RECORD DRAWINGS SHALL BE SIGNED & SEALED BY A SURVEYOR CURRENTLY LICENSED BY THE STATE OF FLORIDA. **ALL RECORD DRAWING INFORMATION REQUIREMENTS IN SECTION 14 SHALL BE STRICTLY ENFORCED.** A COPY OF SECTION 14 WILL BE PROVIDED UPON REQUEST.

EMERGENCY CONTACTS

MANATEE COUNTY
PUBLIC WORKS DEPT.
SIA MOLLANAZAR, P.E.
1022 26TH AVENUE EAST
BRADENTON, FL. 34208
(941) 708–7450
FAX: (941) 708–7415

TECO/PEOPLES GAS CO.
MIKE WISENKOWSKY
8261 VICO COURT
SARASOTA, FL. 34240
(941) 342–4030
FAX: (941) 342–4011
EMERGENCY: 1–877–832–6911

VERIZON FLORIDA INC.
DENISE HUTTON
1701 RINGLING BLVD.
SARASOTA, FL. 34236
(941) 906–6722
FAX: (941) 906–6706
Denise.Hutton@verizon.com

FLORIDA POWER & LIGHT
GREG COKER
1253 12TH AVENUE EAST
PALMETTO, FL 34221
(941) 723–4430
FAX: (941) 723–4444
EMERGENCY: 1–800–4–OUTAGE
Greg_Coker@fpl.com

MANATEE COUNTY HEALTH DEPT.
TERRI STRIPLING
410 6th AVENUE EAST
BRADENTON, FL. 34208
(941) 748–0747 EXT. 1355
FAX: (941) 750–9364

SOUTHWEST FLORIDA WATER
MANAGEMENT DISTRICT
SARASOTA SERVICE OFFICE
DARYL R. FLATT, P.E.
6750 FRUITVILLE ROAD
SARASOTA, FL. 34240
(941) 377–3722
FAX: (941) 373–7660

DEPARTMENT OF
ENVIRONMENTAL PROTECTION
ALLYSON MINICK
13051 N. TELECOM PKWY
TEMPLE TERRACE, FL 33637
(813) 470–5700, EXT. 328
FAX: (813) 632–7662

BRIGHT HOUSE NETWORKS
TOM WRIGHT
5413 E. STATE ROAD 64
BRADENTON, FL. 34208–5535
(941) 748–3816 EXT. 21348
Tom.Wright@mybrighthouse.com

SETH KOHN, PE
CITY OF BRADENTON PUBLIC
WORKS DEPARTMENT
1411 9TH STREET WEST
BRADENTON, FL. 34205
(941) 708–6300 EXT. 231

SUNSHINE STATE ONE CALL OF
FLORIDA 1–(800) 432–4770

MARK	DESCRIPTION	APP	DATE
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AECOM
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4010 Boy Scout Blvd, Suite 300
Tampa, Florida 33607
T 813.630.2500 F 813.621.2300
Certificate of Authorization No. EB-8115
www.aecom.com

PROJECT ENGINEER:
A. H. EZAZI

REG NUMBER:
40109

Manatee County FLORIDA

MANATEE COUNTY
WARES CREEK PEDESTRIAN BRIDGES

GENERAL NOTES

DRN:	DSN:	CHK:	DATE:
JC	JC	KM	Oct-14

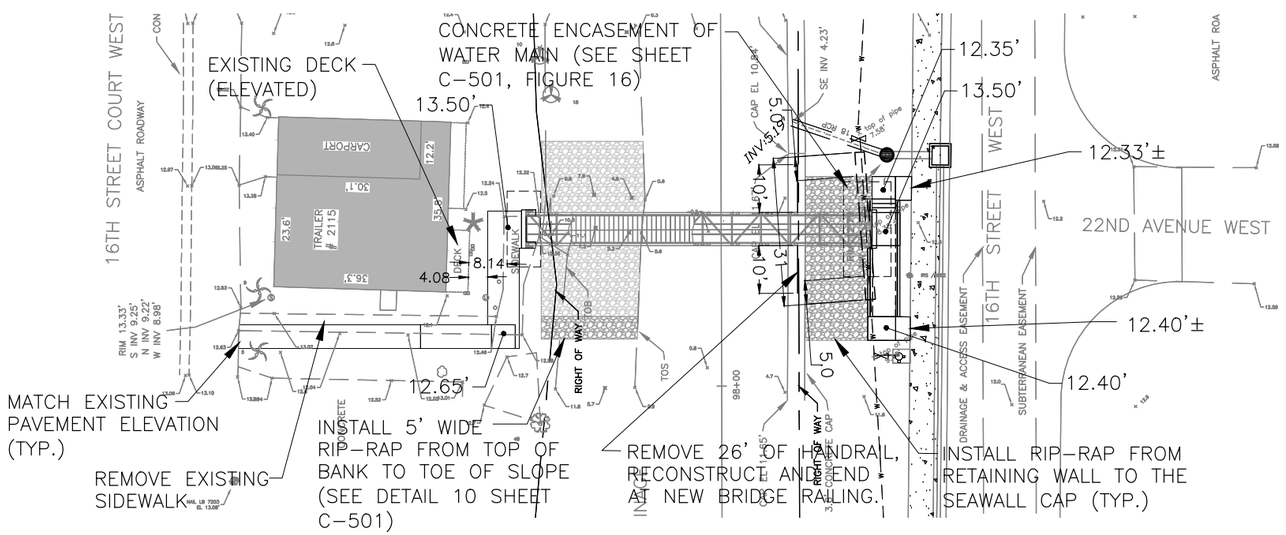
Do not scale this document. All measurements must be obtained from stated dimensions.

PROJECT NUMBER: 60319139

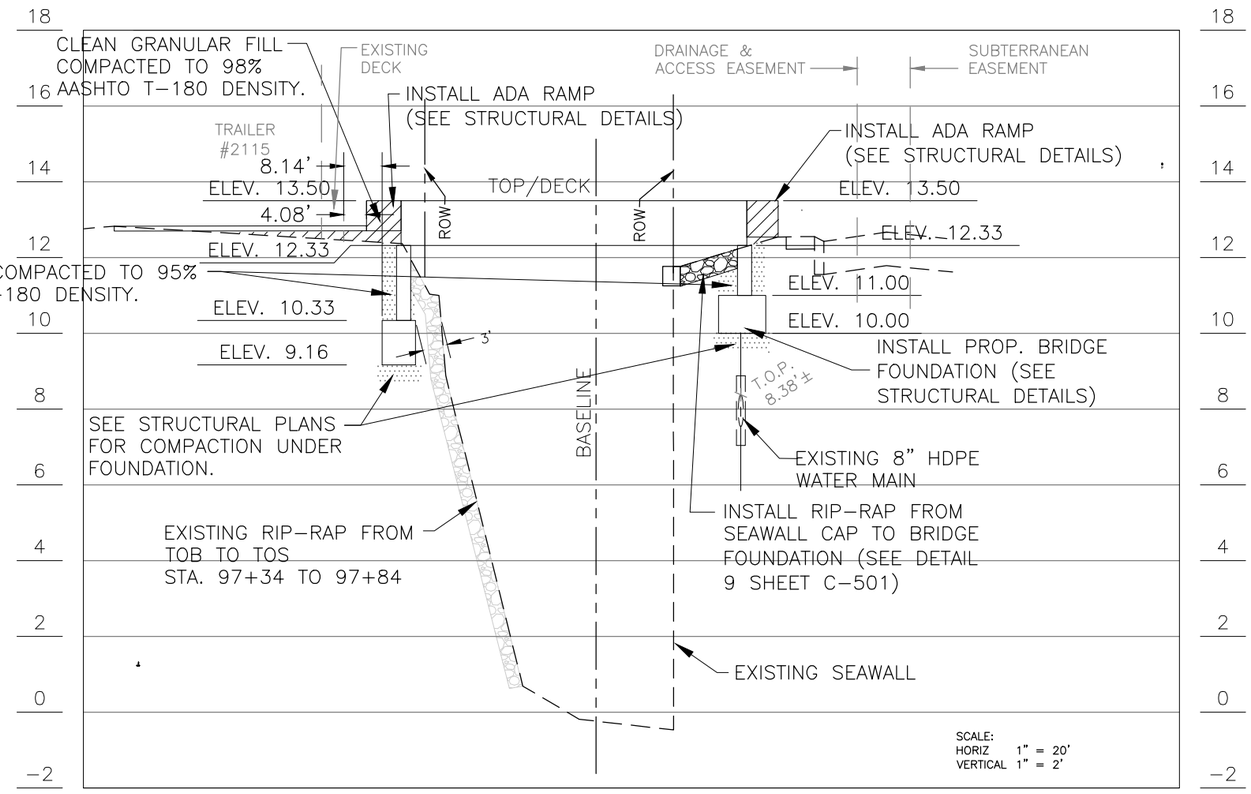
DRAWING NUMBER:
G-002

SHEET 2 OF 11

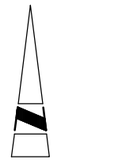
FILE NAME: \\USTPA3FP001\DATA\PROJECTS\MANATEE_COUNTY\60319139 WARES CREEK PED BRIDGES\900-CAD-GIS\910 CAD_BIM\02-SHEETS\12-24-2015 DRAWINGS\CIVIL\G-002 (REV 12222015).DWG LAST SAVED BY: EZAZIR PLOT DATE: 1/12/2016 7:43:37 AM



PLAN AT STA. 97+67



CROSS SECTION AT STA. 97+67



20 0 20
SCALE: 1" = 20'

PROJECT NUMBER: 6028801

NOTES

1. CONTRACTOR SHALL DISPOSE OF ALL DEMOLITION DEBRIS AND EXCESS SOIL OFF-SITE AT HIS OWN EXPENSE IN ACCORDANCE WITH COUNTY AND STATE REQUIREMENTS.
2. THE SURVEY FOR THIS PROJECT USES A COORDINATE SYSTEM BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM (WEST ZONE NAD 1983/2011 ADJUSTED). NGS VERTICAL CONTROL POINT "COB 1028" NAVD 1988 EL 14.44'
3. EXISTING WATER MAIN LOCATION AND ELEVATIONS PER ACOE RECORD DRAWINGS DATED DECEMBER 2014. PLANS PROVIDED BY MANATEE COUNTY.
4. 16th STREET WEST DESIGN PLANS PROVIDED BY MANATEE COUNTY PUBLIC WORKS RECEIVED DECEMBER 16, 2015.
5. CONTRACTOR SHALL FIELD VERIFY WATER MAIN LOCATION AND ELEVATION PRIOR TO COMMENCEMENT OF EARTHMOVING ACTIVITIES.
6. PROPOSED 16TH STREET W. ROADWAY ELEVATIONS ARE PER MANATEE COUNTY CONSTRUCTION PLANS DATED 08-04-2015.

LEGEND

PROPOSED GRADE ELEVATION 12.40'

MARK	DESCRIPTION	APP	DATE
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www.aecom.com

PROJECT ENGINEER:
A. H. EZAZI

REG NUMBER:
40109

Manatee County FLORIDA

MANATEE COUNTY
WARES CREEK PEDESTRIAN BRIDGES

SITE PLAN AND PROFILE 22ND AVE. W.

DRN:	DSN:	CHK:	DATE:
MB	MB	--	Aug-14

Do not scale this document. All measurements must be obtained from stated dimensions.

PROJECT NUMBER: 60319139

DRAWING NUMBER:
C-101

SHEET 3 OF 11

FILE NAME: P:\MANATEE_COUNTY\60319139 WARES CREEK PED BRIDGES\900-CAD-GIS\910 CAD_BIM\02-SHEETS\12-24-2015 DRAWINGS\CIVIL\12-02-2015 C-101.DWG
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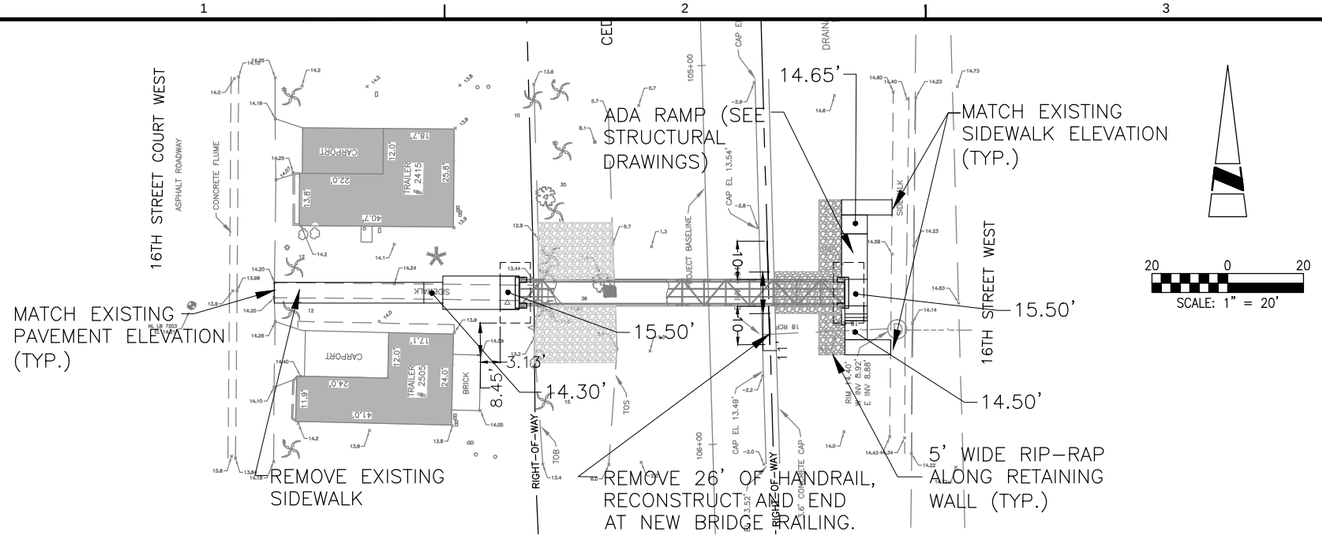
PROJECT NUMBER: 6028801



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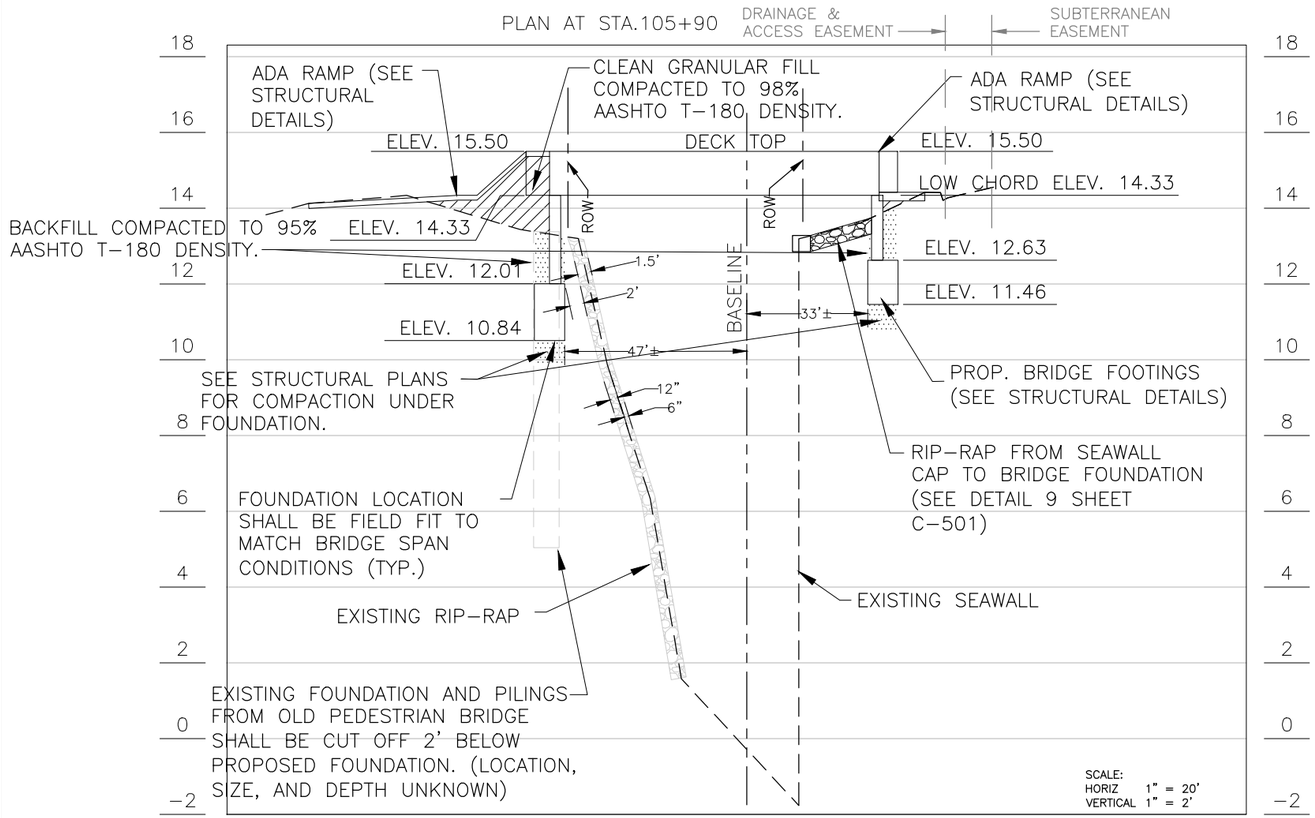

CROSS SECTION AT STA.105+90

LEGEND

PROPOSED GRADE ELEVATION 12.40'

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PROJECT ENGINEER:
A. H. EZAZI

REG NUMBER:
40109

Manatee County FLORIDA

MANATEE COUNTY
WARES CREEK PEDESTRIAN BRIDGES

SITE PLAN AND PROFILE 25TH AVE. W.

DRN:	DSN:	CHK:	DATE:
MB	MB	--	Aug-14

Do not scale this document. All measurements must be obtained from stated dimensions.

PROJECT NUMBER: 60319139

DRAWING NUMBER:
C-102

SHEET 4 OF 11

FILE NAME: P:\MANATEE_COUNTY\60319139 WARES CREEK PED BRIDGES\900-CAD-GIS\910 CAD_BIM\02-SHEETS\12-24-2015 DRAWINGS\CIVIL\12-02-2015 C-102.DWG
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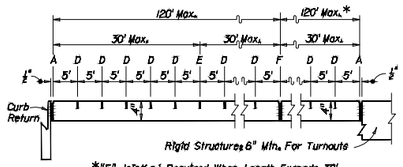
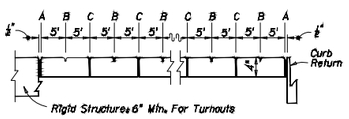
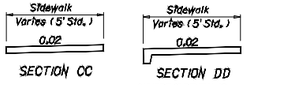


SAWED JOINTS

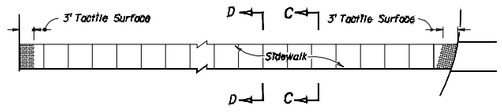




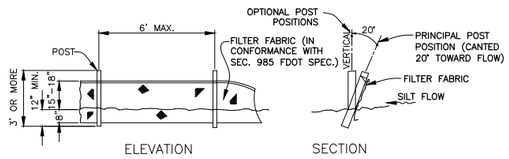
JOINT LEGEND

A- ½" Expansion Joints (Preformed Joint Filler)
B- ½" Dummy Joints, Tooled
C- ½" Formed Open Joints
D- ⅛" Saw Cut Joints, 1¼" Deep (96 Hour) Max. 5' Centers
E- ⅛" Saw Cut Joints, 1¼" Deep (12 Hour) Max. 30' Centers
F- ½" Expansion Joint When Run Of Sidewalk Exceeds 120'
G- Cold Joint With Bond Breaker, Tooled

OPEN JOINTS
EXAGGERATED SCALE
LONGITUDINAL SECTION
SIDEWALK JOINTS



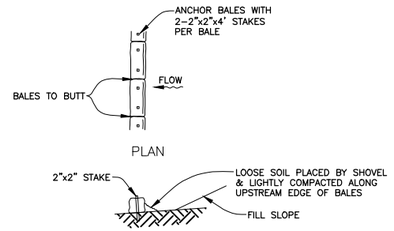
SIDEWALK DETAILS
FDOT INDEX No. 310
DETAIL 1



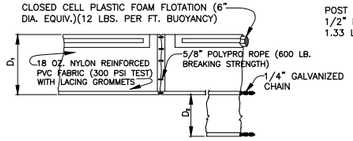
ELEVATION SECTION

NOTE: SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF).

TYPICAL SILT FENCE
DETAIL 2



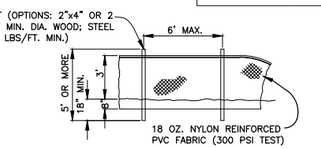
TYPICAL BALE SILT BARRIER
DETAIL 3



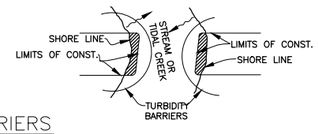
FLOATING TURBIDITY BARRIERS

D_1 =5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS). D_2 =5' STD. (ADDITIONAL PANEL FOR DEPTHS > 5'). CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO(2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

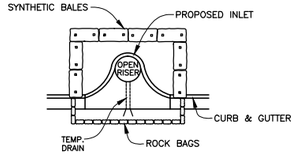
NOTICE: COMPONENTS OF TYPES **I** AND **II** MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES **I** AND **II** SHALL BE AS APPROVED BY THE ENGINEER.



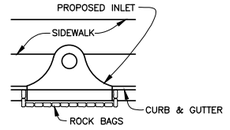
STAKED TURBIDITY BARRIER



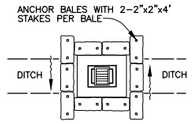
TURBIDITY BARRIERS
DETAIL 4



PARTIAL INLET

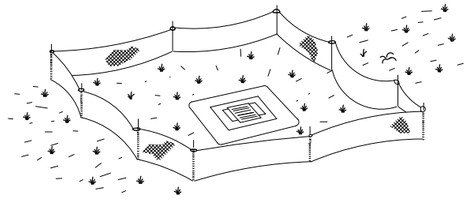


COMPLETED INLET



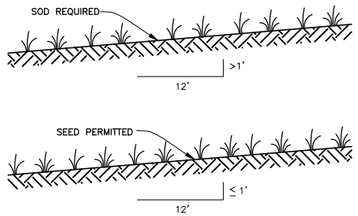
DITCH BOTTOM INLET

SYNTHETIC BALE PROTECTION AROUND INLETS OR SIMILAR STRUCTURES
DETAIL 5

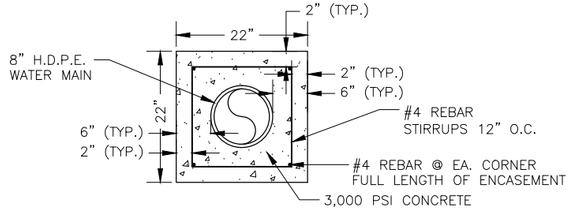


TYPE **III** SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS

STAKED SILT BARRIER OR SILT FENCE PROTECTION AROUND DITCH BOTTOM INLETS
DETAIL 6

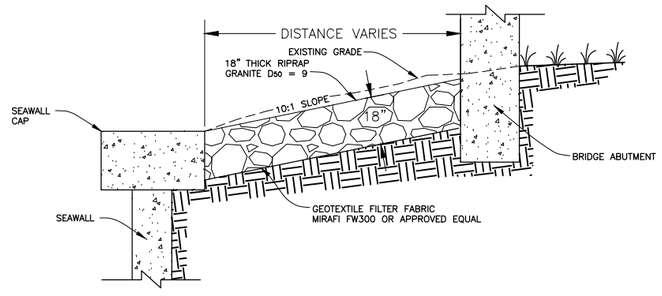


GRASS SLOPES
DETAIL 7

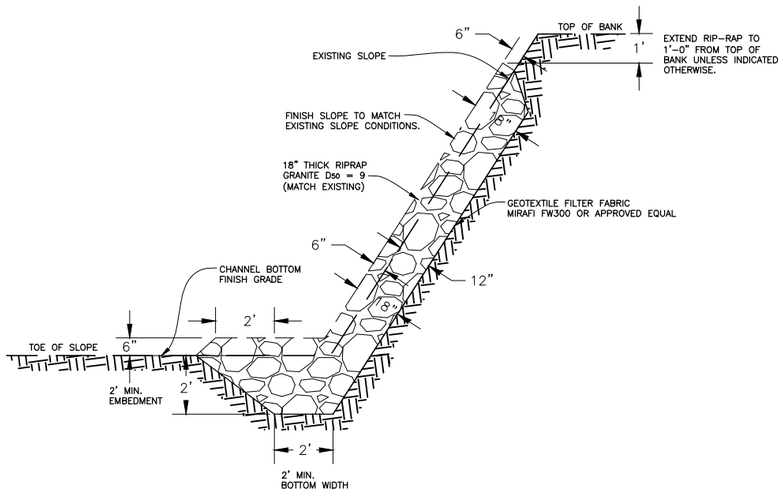


NOTE: FORM AND POUR CONCRETE IN PLACE.

CONCRETE ENCASEMENT DETAIL
DETAIL 8



BRIDGE ABUTMENT
RIPRAP – GRANITE
DETAIL 9



CREEK BANK SIDESLOPE
RIPRAP – GRANITE (MATCH EXISTING)
DETAIL 10

MARK	DESCRIPTION	APP	DATE
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PROJECT ENGINEER:
A. H. EZAZI

REG NUMBER:
40109

Manatee County FLORIDA

MANATEE COUNTY
WARES CREEK PEDESTRIAN BRIDGES

CIVIL DETAILS

DRN:	DSN:	CHK:	DATE:
MB	MB	--	Aug-14

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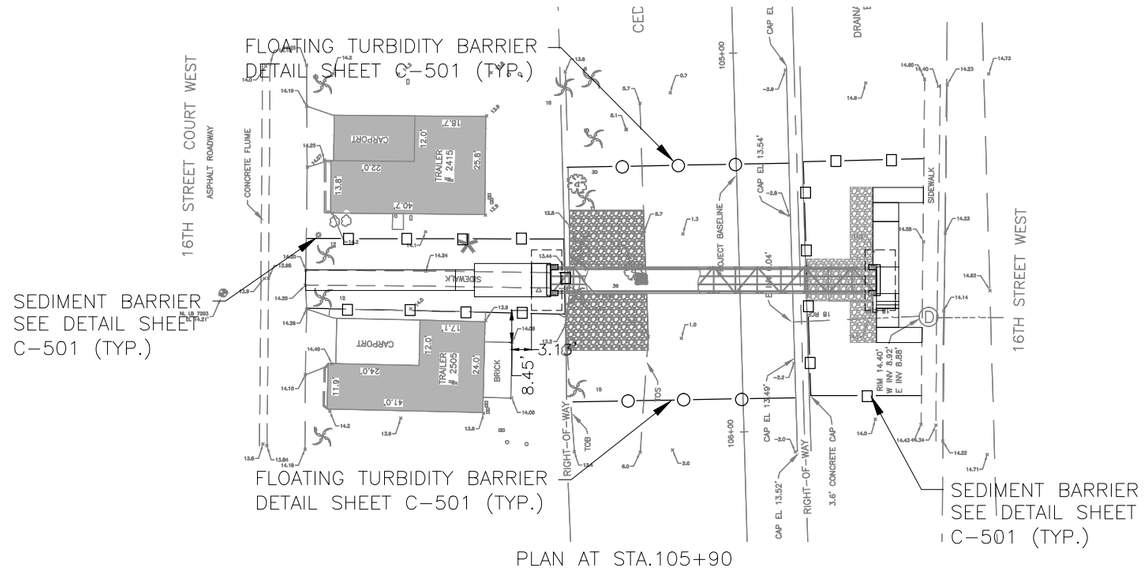
PROJECT NUMBER: 60319139

DRAWING NUMBER:
C-501

SHEET 5 OF 11

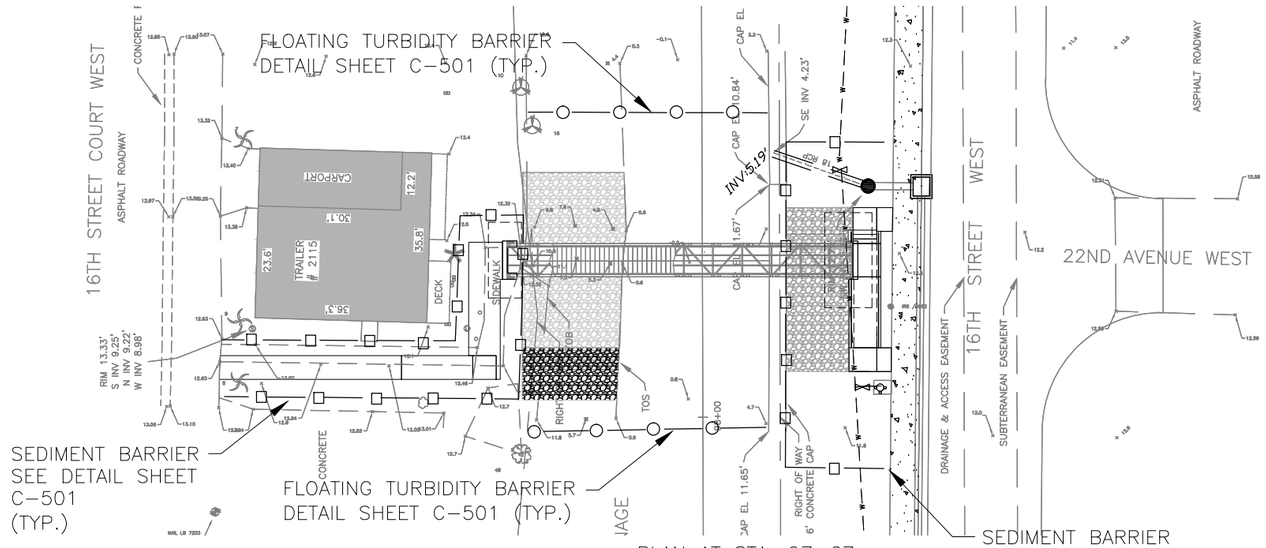
FILE NAME: P:\MANATEE_COUNTY\60319139 WARES CREEK PED BRIDGES\900-CAD-GIS\910 CAD_BIM\02-SHEETS\12-24-2015 DRAWINGS\CIVIL\C-501.DWG
LAST SAVED BY: BOYCEM
PLOT DATE: 12/24/2015 12:33:43 PM

PROJECT NUMBER: 6028801



PLAN AT STA.105+90

20 0 20
SCALE: 1" = 20'



PLAN AT STA. 97+67

20 0 20
SCALE: 1" = 20'

MARK	DESCRIPTION	APP	DATE
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www.aecom.com

PROJECT ENGINEER:
A. H. EZAZI

REG NUMBER:
40109

Manatee County
FLORIDA

MANATEE COUNTY
WARES CREEK PEDESTRIAN BRIDGES

EROSION PROTECTION PLAN

DRN:	DSN:	CHK:	DATE:
MB	MB	--	Aug-14

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PROJECT NUMBER: 60319139

DRAWING NUMBER:
C-502

SHEET 6 OF 11

1"

FILE NAME: P:\MANATEE_COUNTY\60319139 WARES CREEK PED BRIDGES\900-CAD-GIS\910 CAD_BIM\02-SHEETS\12-24-2015 DRAWINGS\CIVIL\C-502.DWG LAST SAVED BY: BOYCEM PLOT DATE: 12/24/2015 12:38:06 PM

PROJECT NUMBER: 6028801

STRUCTURAL ABBREVIATIONS

A.B.	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADD'L	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
ALUM	ALUMINUM
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECTURE/ ARCHITECTURAL
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AWS	AMERICAN WELDING SOCIETY
B/	BOTTOM OF
BLDG	BUILDING
BM	BENCH MARK
BOT	BOTTOM
BP	BASE PLATE, BEARING PLATE
BRG	BEARING
C	CHANNEL
C&C	COMPONENTS AND CLADDING
CF	CUBIC FOOT/ CUBIC FEET
CHKD	CHECKED
CIP	CAST-IN-PLACE
CJ	CONTRACTION JOINT
CLR	CLEAR/ CLEARANCE
CLSM	CONTROLLED LOW STRENGTH MATERIAL
CMU	CONCRETE MASONRY UNIT
COEFF	COEFFICIENT
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATE
CSJ	CONSTRUCTION JOINT
CY	CUBIC YARD
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DWG	DRAWING
DWL	DOWEL
EA	EACH
EE	EACH END
EF	EACH FACE
EL	ELEVATION
ELEC	ELECTRIC/ ELECTRICAL
EQ SP	EQUAL SPACING
ES	EACH SIDE
EW	EACH WAY
EXJ	EXPANSION JOINT
EXP	EXPANSION
EXT	EXTERIOR
FCJ	FULL CONTRACTION JOINT
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FINISH FLOOR
FG	FINISH GRADE
FP	FULL PENETRATION WELD
FS	FAR SIDE
FT	FOOT/ FEET
FTG	FOOTING
GA	GAGE/ GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
HORIZ	HORIZONTAL
HP	HIGH POINT
HSS	HOLLOW STRUCTURAL SECTION
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCH/ INCHES
INT	INTERIOR
INV	INVERT
K	KIP/ 1000 POUNDS
L	ANGLE
LB	POUND/ POUNDS
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LP	LOW POINT
MAT'L	MATERIAL
MAX	MAXIMUM
MCJ	MASONRY CONTROL JOINT
MECH	MECHANICAL
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MPH	MILES PER HOUR
MWFRS	MAIN WIND FORCE RESISTING SYSTEM
NIC	NOT IN CONTRACT
NO	NUMBER
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OP	OPPOSITE HAND
OPNG	OPENING
PCF	POUNDS PER CUBIC FOOT
PEN	PENETRATION
PJF	PREMOLDED BITUMINOUS JOINT FILLER
PLF	POUNDS PER LINEAR FOOT
PREFAB	PREFABRICATED
PROJ	PROJECTION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCEMENT
REQ'D	REQUIRED
SCH	SCHEDULE
SCJ	SAW CUT JOINT
SIM	SIMILAR
SOG	SLAB ON GRADE
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STRUCT	STRUCTURAL
SYM	SYMMETRIC
T/	TOP OF
T&B	TOP AND BOTTOM
TEMP	TEMPERATURE, TEMPORARY
TOB	TOP OF BANK
TOL	TOLERANCE
TOS	TOE OF SLOPE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VOL	VOLUME
W	WIDE FLANGE
W/	WITH
W/O	WITH OUT
WP	WORKING POINT
WS	WATERSTOP
WT	WEIGHT, STRUCTURAL TEE SECTION
WWR	WELDED WIRE REINFORCEMENT

STRUCTURAL NOTES

A. DESIGN CRITERIA

1. FLORIDA BUILDING CODE: FBC 2014.
2. ASCE 7-10 MINIMUM DESIGN LOADS FOR BUILDINGS. AND OTHER STRUCTURES.
3. ACI 318-08, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
4. THE ALUMINUM ASSOCIATION, SPECIFICATIONS AND GUIDELINES FOR ALUMINUM STRUCTURES.
5. AWS D1.2, STRUCTURAL WELDING CODE – ALUMINUM.
6. AASHTO LRFD GUIDE SPECIFICATIONS FOR THE DESIGN OF PEDESTRIAN BRIDGES, 2nd EDITION.

B. LOADINGS

1.	DEAD LOADS:	MATERIAL WEIGHTS
2.	LIVE LOADS:	
2.1.	PEDESTRIAN LOAD	90 PSF
3.	WIND LOADS:	
3.1.	ULTIMATE WIND VELOCITY, V_{ULT}	150 MPH
3.2.	NOMINAL WIND VELOCITY, V_{ASD}	116 MPH
3.3.	EXPOSURE CATEGORY	B
3.4.	RISK CATEGORY	II

C. SERVICEABILITY REQUIREMENTS

1. DEFLECTION REQUIREMENTS:
   - 1.1. VERTICAL — SPAN/350
   - 1.2. HORIZONTAL — SPAN/350
2. THE FUNDAMENTAL FREQUENCY OF THE UNLOADED PEDESTRIAN BRIDGE SHALL BE NO LESS THAN 3.0 HERTZ IN THE VERTICAL MODE OF VIBRATION AND 1.3 HERTZ IN THE LATERAL MODE OF VIBRATION.
3. BRIDGE SHALL BE CAMBERED TO OFFSET THE DEAD LOAD.

D. GENERAL REQUIREMENTS

1. DO NOT SCALE DRAWINGS. DIMENSIONS NOT SHOWN ON THE DRAWINGS SHALL BE VERIFIED WITH THE ENGINEER.
2. SHORING REQUIRED FOR THE STABILITY OF THE UNCOMPLETED STRUCTURE OR FOR INSTALLATION OR MODIFICATION OF STRUCTURAL MEMBERS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
3. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO START OF CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS FOUND IN CONTRACT DOCUMENTS AND/OR FIELD CONDITIONS.
4. COORDINATE FINAL SIZE AND LOCATION OF ALL ITEMS EMBEDDED INTO CONCRETE WITH THE ACTUAL EQUIPMENT SUPPLIED, PROJECT REQUIREMENTS, AND FIELD CONDITIONS.

E. EXCAVATION AND EARTHWORK

1. REFERENCE GEOTECHNICAL ENGINEERING SERVICES REPORT, BY PROFESSIONAL SERVICE INDUSTRIES, INC., DATED MAY 29, 2014 FOR SITE EXCAVATION, FILL, AND BACKFILL RECOMMENDATIONS.
2. BOTTOM OF FOUNDATION EXCAVATIONS SHALL BE COMPACTED TO A MINIMUM DENSITY OF 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR A MINIMUM DEPTH OF 1'-0" BELOW THE BOTTOM OF THE FOOTING DEPTH IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
3. LOCATE ANY EXISTING UTILITY LINES AND/ OR APPURTENANCES AND ADVISE THE ENGINEER OF ANY CONFLICTS WITH NEW STRUCTURES PRIOR TO THEIR CONSTRUCTION. DO NOT DESTROY ANY EXISTING UNDERGROUND STRUCTURES WITHOUT WRITTEN AUTHORIZATION.

F. CAST IN PLACE CONCRETE

1. ALL CONCRETE INCLUDING SLABS ON GRADE AND FOUNDATIONS SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH, f'_c, OF 4000 PSI, UNLESS OTHERWISE NOTED.
2. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
3. ALL SPLICES SHALL BE CLASS B, TENSION LAP SPLICES, UON.
4. DO NOT WELD OR TACK WELD REINFORCING STEEL.
5. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A185.

G. STRUCTURAL ALUMINUM

1. STRUCTURAL ALUMINUM MATERIALS SHALL CONFORM TO THE STANDARDS LISTED:
   - 1.1. STRUCTURAL SHAPES: B308 ALLOY 6061-T6
   - 1.2. EXTRUDED PIPE: B429 ALLOY 6060-T6
   - 1.3. SHEET AND PLATES: B209 ALLOY 6061-T6
2. WELD ALUMINUM IN COMPLIANCE WITH AWS D1.2.
3. PROVIDE GALVANIC SEPARATION BETWEEN ALUMINUM IN CONTACT WITH CONCRETE OR DISSIMILAR METALS.
4. DO NOT FIELD CUT OR ALTER STRUCTURAL SHAPES WITHOUT ENGINEER'S ACCEPTANCE.
5. PLACE NATURAL CAMBER OF BEAMS UPWARD.

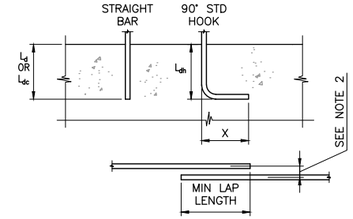
H. FASTENERS AND ANCHORAGE

1. ANCHORING INTO CONCRETE:
   - 1.1. ADHESIVE ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC 308.
   - 1.2. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED AND QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC 193.

J. PAINTING AND COATING

1. PREPARE SURFACES TO BE PAINTED IN ACCORDANCE WITH THE PAINT MANUFACTURER'S RECOMMENDATIONS.
2. PAINT CONCRETE SURFACES OF THE BRIDGE ABUTMENTS EXPOSED TO VIEW WITH (2)-4 MIL (DFT) COATS OF METALATEX SEMI-GLOSS COATING BY SHERWIN WILLIAMS, OR EQUAL.
3. COLOR TO BE SELECTED BY OWNER.

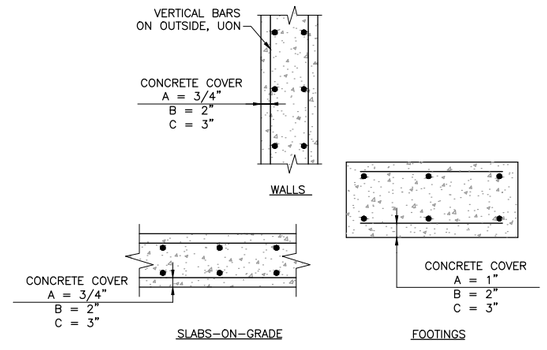
BAR SIZE	BAR DIAMETER (d_b)	DEFORMED BARS IN TENSION						
		DEVELOPMENT LENGTH (L_d)		CLASS B LAP SPLICE		90° STD HOOK		180° STD HOOK Y
		TOP BARS	OTHER	TOP BARS	OTHER	HOOK X	L_{dh}	
#3	0.375	12	12	16	16	6	6	6
#4	0.5	16	12	20	16	8	7	6
#5	0.625	20	16	24	20	10	9	6
#6	0.75	22	18	30	22	12	11	6



NOTES:

1. TOP BARS ARE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR LAP SPLICE.
2. BARS BEING DEVELOPED OR SPLICED SHALL MEET THE FOLLOWING:
   - 2.1. CLEAR SPACING NOT GREATER THAN 6 INCHES OR 1/5 MIN LAP LENGTH.
   - 2.2. CLEAR COVER NOT LESS THAN $2d_b$, UNLESS OTHERWISE NOTED.
3. THE TABLE ABOVE IS BASED ON 4000 PSI COMPRESSIVE STRENGTH CONCRETE.

1 – DEVELOPMENT AND SPLICES OF REINFORCEMENT
SCALE: NTS



A = NO EXPOSURE TO GROUND OR WEATHER AFTER FORM REMOVAL.
B = EXPOSURE TO GROUND OR WEATHER AFTER FORM REMOVAL.
C = CONCRETE PLACED AGAINST GROUND.

2 – CONCRETE PROTECTION FOR REINFORCEMENT
SCALE: NTS

MARK	DESCRIPTION	APP	DATE
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Certificate of Authorization No. EB-8115
www.aecom.com

PROJECT ENGINEER:
KHALID MOTIAWALA

REG NUMBER:
50633

Manatee County FLORIDA

MANATEE COUNTY
WARES CREEK PEDESTRIAN BRIDGES

STRUCTURAL GENERAL NOTES AND DETAILS

DRN:	DSN:	CHK:	DATE:
MDW	MDW	KM	DEC-15

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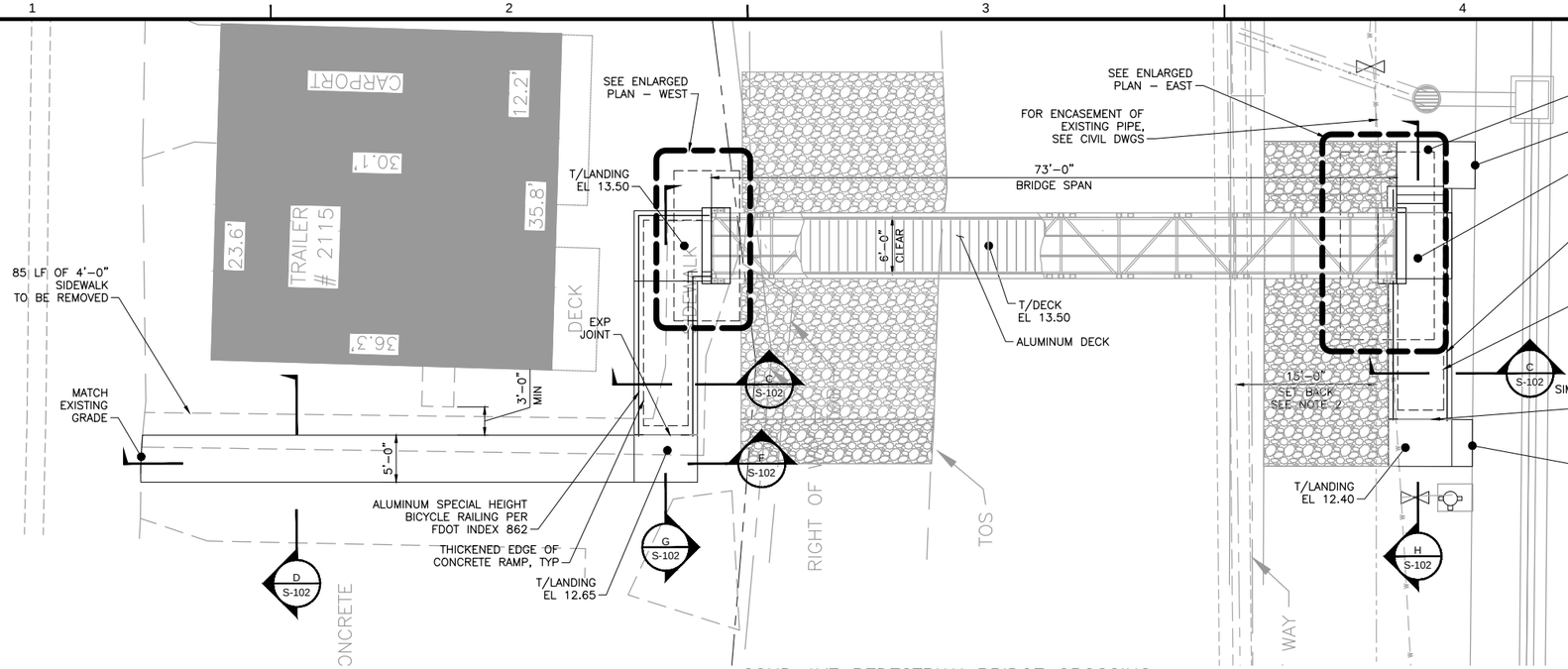
PROJECT NUMBER: 60319139

DRAWING NUMBER:
S-001

SHEET 7 OF 11

FILE NAME: Y:\SE SUPPORT SERVICES\PROJECTS\60319139 - WARES CREEK PEDESTRIAN BRIDGES\000_CAD\SHEETS\SS-001.DWG LAST SAVED BY: WASHMUTHM PLOT DATE: 12/23/2015 4:37:13 PM

PROJECT NUMBER: 6028801

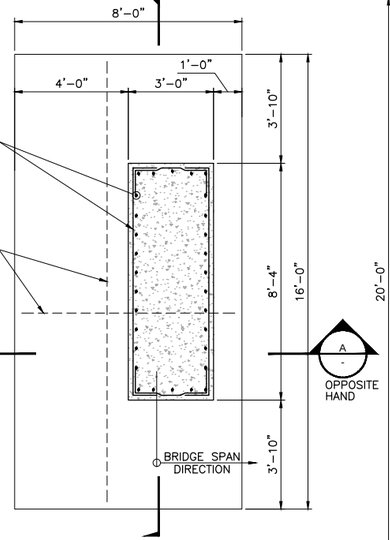


8 0 8
SCALE: 1/8" = 1'–0"

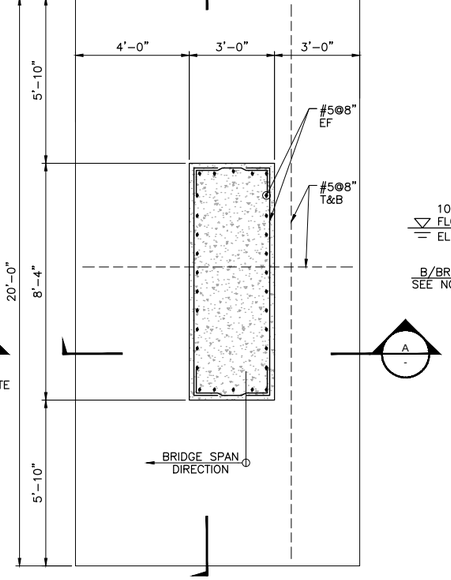
3 0 3
SCALE: 3/8" = 1'–0"

22ND AVE PEDESTRIAN BRIDGE CROSSING
SCALE: 1/8" = 1'–0"

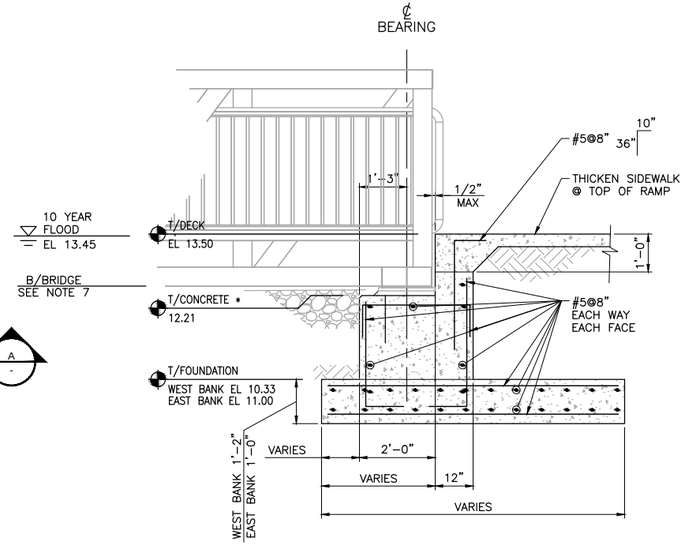
NOTES:
1. ALL ELEVATIONS SHOWN ARE IN THE NAVD88 DATUM.
2. ALLOWABLE LIVE LOADING BEHIND AND WITHIN 15 FEET OF THE EXISTING SHEET PILE WALL IS 300 PSF WITH BACK WALL SOIL SURFACE ELEVATION NO HIGHER THAN EL 12.00 PER THE DESIGN DOCUMENTS FOR THE EXISTING SHEET PILE WALL SYSTEM.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGNING AND CONSTRUCTING STABLE, TEMPORARY EXCAVATIONS AND MUST SHORE, SLOPE, OR BENCH THE SIDES OF EXCAVATIONS AS REQUIRED TO MAINTAIN STABILITY OF BOTH THE EXCAVATION SIDES AND BOTTOM.
4. CAMBER OF THE STRUCTURE WITH OUT LIVE LOADS SHALL NOT RESULT IN A SLOPE EXCEEDING 2.5% ALONG ANY PORTION OF THE DECK.
5. PRIOR TO THE CONSTRUCTION OF THE BRIDGE ABUTMENT FOUNDATIONS THE BRIDGE SUBMITTAL SHALL BE REVIEWED AND ACCEPTED BY THE ENGINEER AND ALL UNDERGROUND UTILITIES SHALL BE LOCATED.
6. RELOCATE UNDERGROUND UTILITIES AS REQUIRED TO AVOID CONFLICT WITH THE BRIDGE ABUTMENT.
7. DEPTH OF BRIDGE STRUCTURE FROM TOP OF DECK TO BOTTOM OF LOWEST CHORD IS ASSUMED TO BE 1'-2" MAX. BRIDGE SUPPLIER TO PROVIDE 1'-2" MAX DEPTH FROM TOP OF DECK TO BOTTOM OF LOWEST CHORD.
8. BRIDGE SYSTEM IS DESIGNED FOR THE 10-YEAR FLOOD ELEVATION = 13.45'.
9. * DENOTES ELEVATION TO BE VERIFIED AND COORDINATED WITH BRIDGE SUPPLIER.



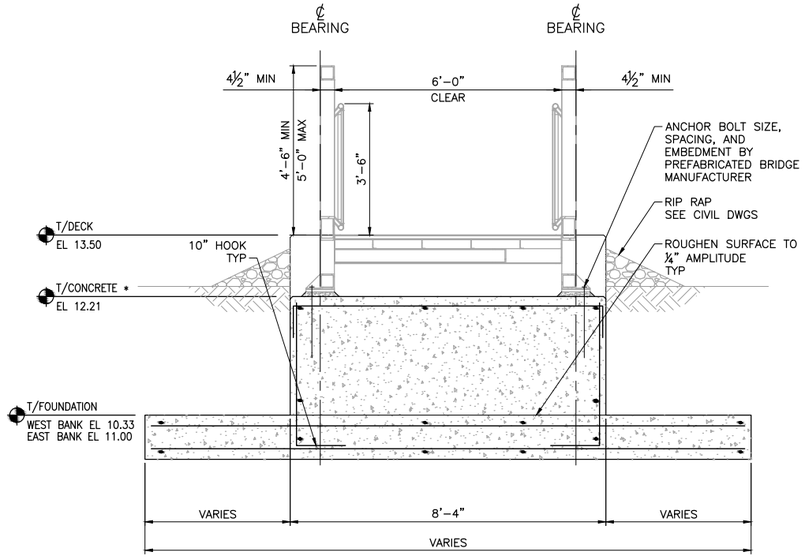
ENLARGED PLAN – WEST
SCALE: 3/8" = 1'–0"



ENLARGED PLAN – EAST
SCALE: 3/8" = 1'–0"



A SECTION
SCALE: NTS



B SECTION
SCALE: NTS

MARK	DESCRIPTION	APP	DATE
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PROJECT ENGINEER:
KHALID MOTIWALA

REG NUMBER:
50633

Manatee County FLORIDA

MANATEE COUNTY
WARES CREEK PEDESTRIAN BRIDGES

STR□□T□RAL □LANS AN□ SE□T□ONS □□N□ A□E□□ □

DRN:	DSN:	CHK:	DATE:
MDW	MDW	--	DEC-15

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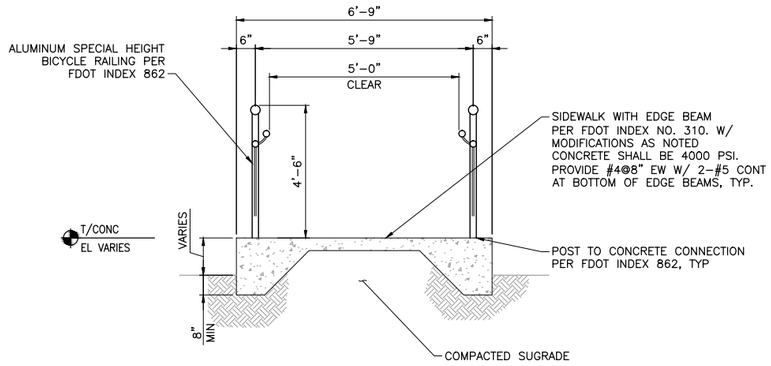
PROJECT NUMBER: 60319139

DRAWING NUMBER:
S-101

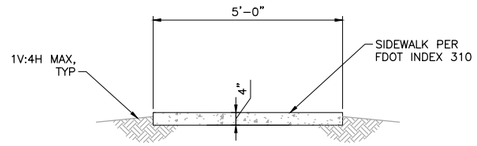
SHEET 8 OF 10

FILE NAME: Y:\SE SUPPORT SERVICES\PROJECTS\60319139 - WARES CREEK PEDESTRIAN BRIDGES\D00_CADSHEETS\S-101.DWG LAST SAVED BY: WASHMUTHM PLOT DATE: 12/30/2015 2:47:28 PM

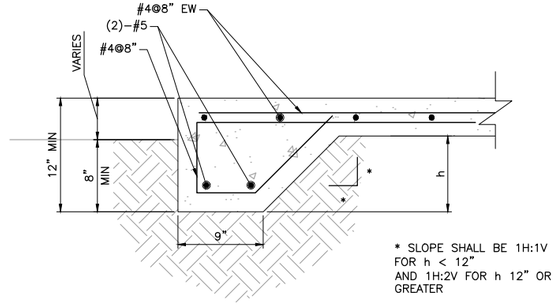
PROJECT NUMBER: 6028801



C SECTION
SCALE: 1/2" = 1'-0"



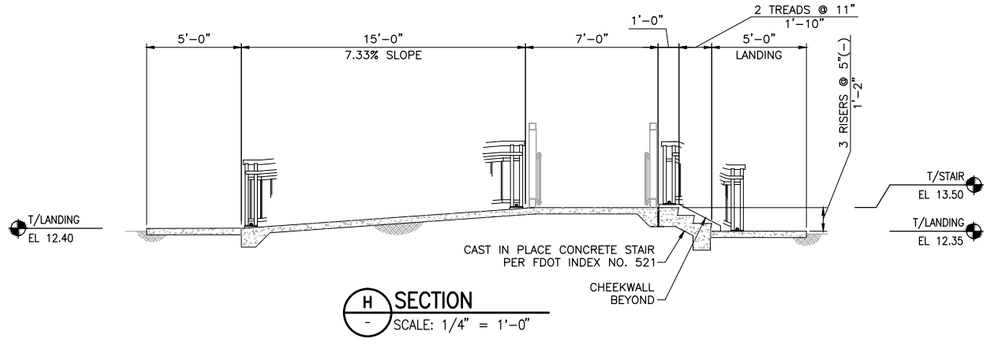
D SECTION
SCALE: 1/2" = 1'-0"



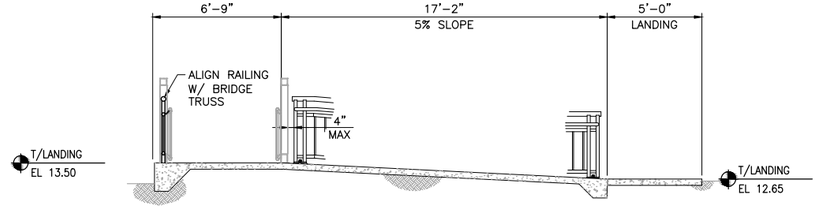
1 TYPICAL THICKENED EDGE DETAIL
SCALE: NTS

2 0 2
SCALE: 1/2" = 1'-0"

F SECTION
SCALE: 1/4" = 1'-0"



H SECTION
SCALE: 1/4" = 1'-0"



G SECTION
SCALE: 1/4" = 1'-0"

4 0 4
SCALE: 1/4" = 1'-0"

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PROJECT ENGINEER:
KHALID MOTIWALA

REG NUMBER:
50633

MANATEE COUNTY
WARES CREEK PEDESTRIAN BRIDGES

STR□□T□RAL SE□T□ONS □□N□ A□E□□ □

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MDW	MDW	KM	DEC-15

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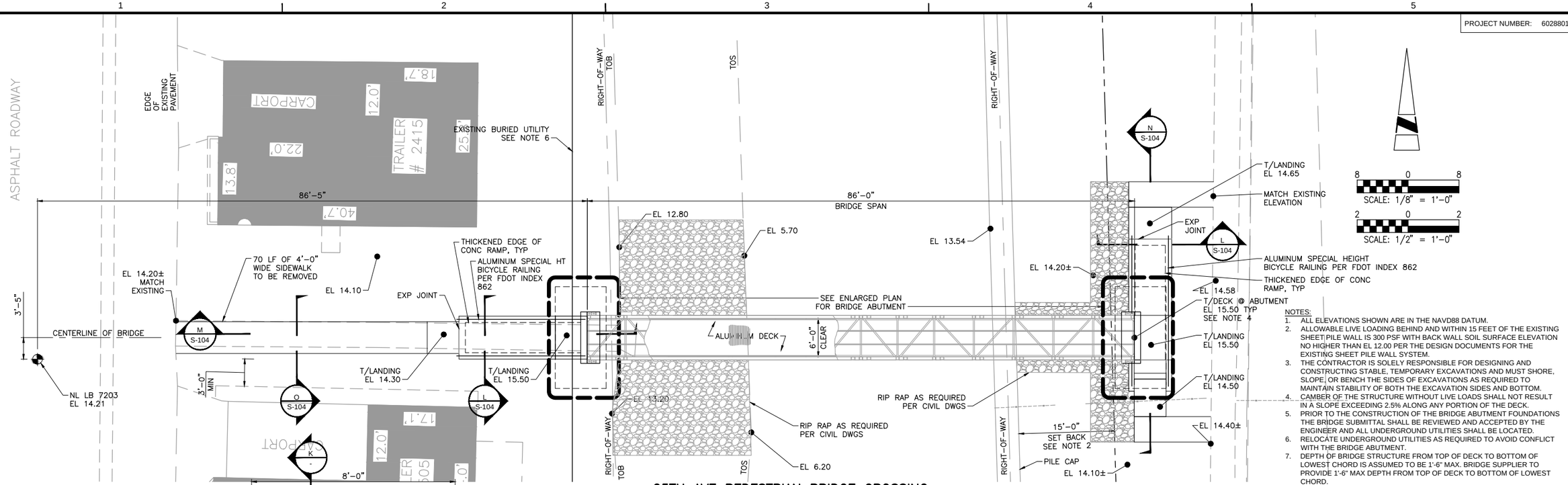
PROJECT NUMBER: 60319139

DRAWING NUMBER:
S-102

SHEET 9 OF 11

FILE NAME: Y:\SE SUPPORT SERVICES\PROJECTS\60319139 - WARES CREEK PEDESTRIAN BRIDGES\000_CAD\SHEETS\SIS-102.DWG LAST SAVED BY: WASHMUTHM PLOT DATE: 12/30/2015 2:47:57 PM

PROJECT NUMBER: 6028801



25TH AVE PEDESTRIAN BRIDGE CROSSING

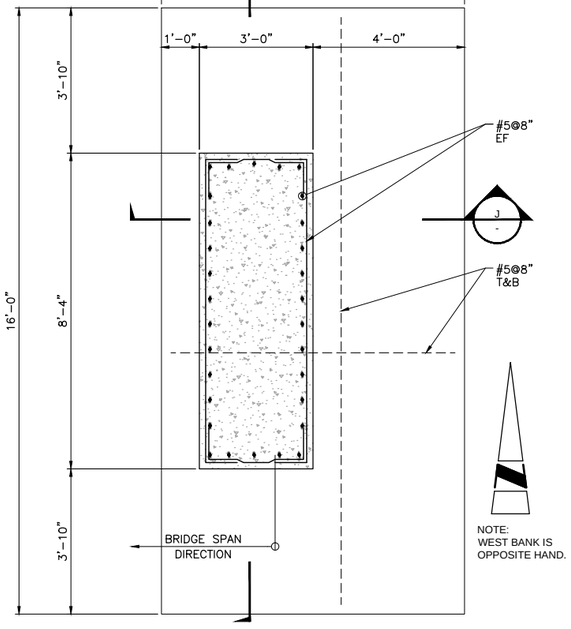
SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'-0"

SCALE: 1/2" = 1'-0"

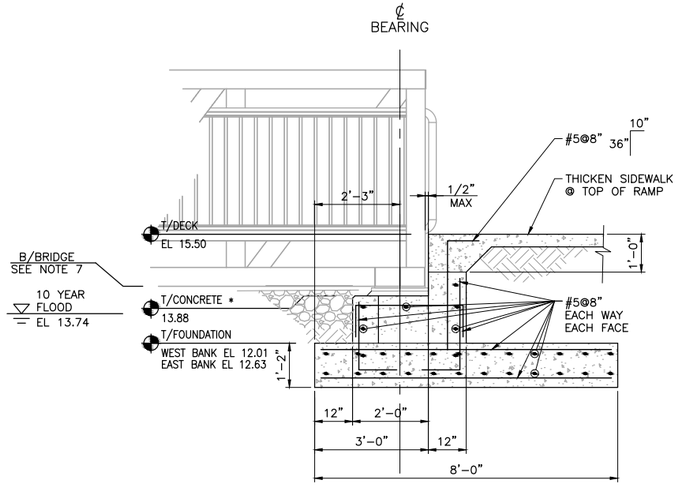
NOTES:

1. ALL ELEVATIONS SHOWN ARE IN THE NAVD88 DATUM.
2. ALLOWABLE LIVE LOADING BEHIND AND WITHIN 15 FEET OF THE EXISTING SHEET PILE WALL IS 300 PSF WITH BACK WALL SOIL SURFACE ELEVATION NO HIGHER THAN EL 12.00 PER THE DESIGN DOCUMENTS FOR THE EXISTING SHEET PILE WALL SYSTEM.
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGNING AND CONSTRUCTING STABLE, TEMPORARY EXCAVATIONS AND MUST SHORE, SLOPE, OR BENCH THE SIDES OF EXCAVATIONS AS REQUIRED TO MAINTAIN STABILITY OF BOTH THE EXCAVATION SIDES AND BOTTOM.
4. CAMBER OF THE STRUCTURE WITHOUT LIVE LOADS SHALL NOT RESULT IN A SLOPE EXCEEDING 2.5% ALONG ANY PORTION OF THE DECK.
5. PRIOR TO THE CONSTRUCTION OF THE BRIDGE ABUTMENT FOUNDATIONS THE BRIDGE SUBMITTAL SHALL BE REVIEWED AND ACCEPTED BY THE ENGINEER AND ALL UNDERGROUND UTILITIES SHALL BE LOCATED.
6. RELOCATE UNDERGROUND UTILITIES AS REQUIRED TO AVOID CONFLICT WITH THE BRIDGE ABUTMENT.
7. DEPTH OF BRIDGE STRUCTURE FROM TOP OF DECK TO BOTTOM OF LOWEST CHORD IS ASSUMED TO BE 1'-6" MAX. BRIDGE SUPPLIER TO PROVIDE 1'-6" MAX DEPTH FROM TOP OF DECK TO BOTTOM OF LOWEST CHORD.
8. BRIDGE SYSTEM IS DESIGNED FOR THE 10-YEAR FLOOD ELEVATION = 13.74'.
9. * DENOTES ELEVATION TO BE VERIFIED AND COORDINATED WITH BRIDGE SUPPLIER.



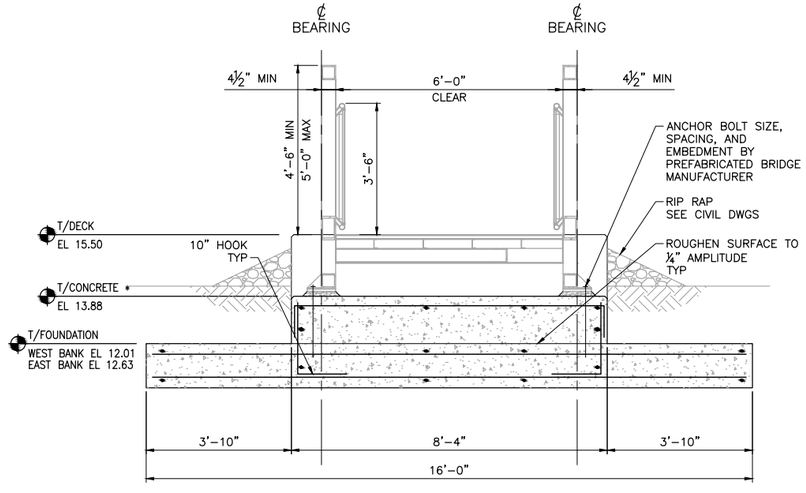
ENLARGED PLAN

SCALE: 1/2" = 1'-0"



J - SECTION

SCALE: 1/2" = 1'-0"



K - SECTION

SCALE: 1/2" = 1'-0"

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PROJECT ENGINEER: KHALID MOTIWALA

REG NUMBER: 50633

Manatee County FLORIDA

MANATEE COUNTY
WARES CREEK PEDESTRIAN BRIDGES

STRUCTURAL PLANS AND SECTIONS FOR APPROVAL

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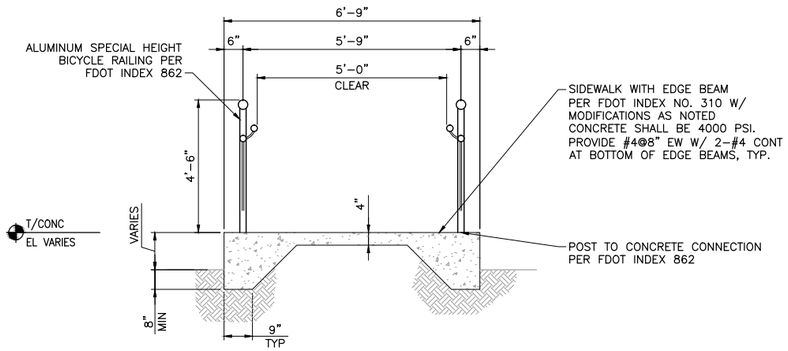
PROJECT NUMBER: 60319139

DRAWING NUMBER: S-103

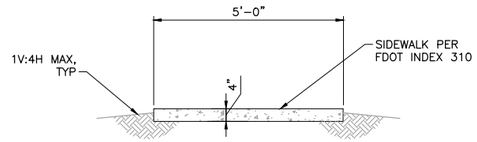
SHEET 10 OF 11

FILE NAME: Y:\SE SUPPORT SERVICES\PROJECTS\60319139 - WARES CREEK PEDESTRIAN BRIDGES\000_CAD\SHEETS\SIS-103.DWG LAST SAVED BY: WASHMUTHM PLOT DATE: 12/23/2015 4:37:29 PM

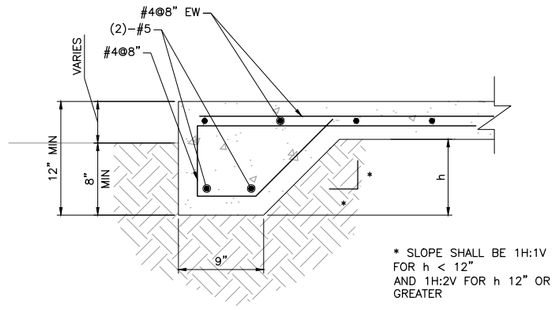
PROJECT NUMBER: 6028801



L SECTION
SCALE: 1/2" = 1'-0"

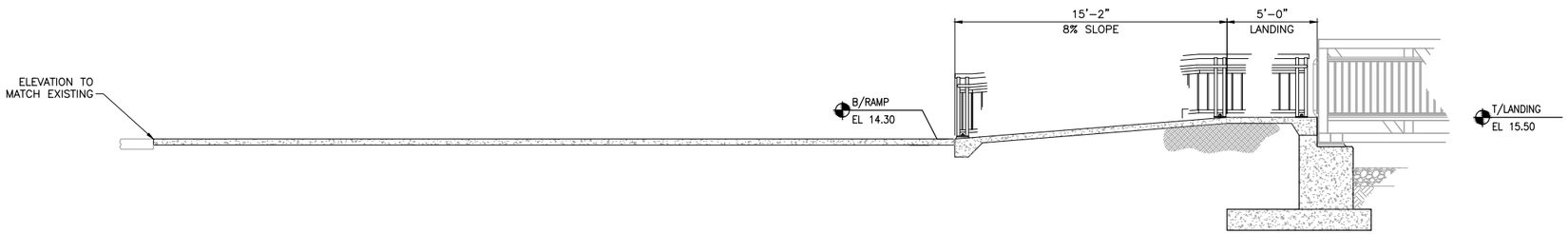


0 SECTION
SCALE: 1/2" = 1'-0"

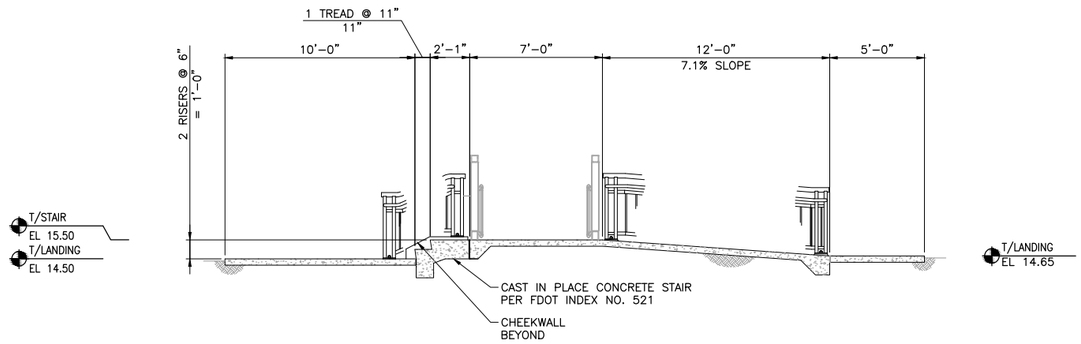


1 TYPICAL EDGE DETAIL
SCALE: NTS

2 0 2
SCALE: 1/2" = 1'-0"



M SECTION
SCALE: 1/4" = 1'-0"



N SECTION
SCALE: 1/4" = 1'-0"

4 0 4
SCALE: 1/4" = 1'-0"

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Manatee County FLORIDA

MANATEE COUNTY
WARES CREEK PEDESTRIAN BRIDGES

STRUCTURAL SECTIONS AND DETAILS

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MDW	MDW	KM	DEC-15

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PROJECT NUMBER: 60319139

DRAWING NUMBER:
S-104

SHEET 11 OF 11

FILE NAME: Y:\SE SUPPORT SERVICES\PROJECTS\60319139 - WARES CREEK PEDESTRIAN BRIDGES\000_CAD\SHEETS\SIS-104.DWG LAST SAVED BY: WASHMUTHM PLOT DATE: 12/23/2015 4:37:34 PM